Guitar/ Violin Seasoning Device

IMPORTANT SAFETY INFORMATION

Please read all of these instructions carefully, and store in a safe place for future reference. Follow all warnings and instructions given below and marked on the product.

1. The primeVibe™ apparatus and power supply should not be exposed to liquids and no liquid filled objects, such as vases, shall be placed close to the primeVibe™ apparatus or power supply;
2. The primeVibe™ apparatus and power supply should not be obstructed and easy access should be maintained during use;
3. To allow sufficient ventilation, a minimum distance of 20cm should be maintained around the primeVibe™ amplifier and power supply;
4. Ventilation openings in the primeVibe™ apparatus should not be impeded by items such as newspaper, table-cloths, curtains, etc.;
5. No sources of naked flame should be placed close to the primeVibe™ apparatus and power supply;
6. In order to completely disconnect the primeVibe™ apparatus electrically, the power supply should be removed from the mains;
7. The primeVibe™ apparatus and power supply are intended for use in moderate climates;
8. The user is solely responsible for all results from the purchase, ownership, and use of primeVibe™ apparatus and power supply;
9. Please remove transducers from instrument top when not in use.

INTRODUCTION

primeVibe™ is the world's most versatile and most efficient accessory to season and play-in musical instruments.

primeVibe™ fits a wide range of instruments and plays recorded music, supplied by the user, directly into the instrument's top panel, also vibrating the side and back.

Any standard 3.5mm stereo music source can be plugged into the 8 Watt per channel primeVibe™ amplifier, which drives two small, powerful, patented transducers.

INSTRUCTIONS

General-All Instruments

All instruments must be placed horizontal on their back while primeVibe™ is in use. Read the pros and cons for using primeVibe™ in versus out of a hard case, and then choose a preferred method.

In A Hard Case

Cons: must prevent the lid from closing on the primeVibe™ transducers placed atop the instrument. If the lid accidentally closed while the primeVibe™ transducers are in place atop the instrument, depending on clearance atop the instrument, the primeVibe™ transducers might damage the instrument top and/or the lid may damage the wires leading from the primeVibe™ transducers to the amp. Also, the lid must stay open if closing the lid physically damps the instrument top; seasoning occurs via vibration. The last con is that placing the instrument in the case damps the sides and back of the instrument, eliminating or severely minimizing the advantage of seasoning these component parts of the instrument body.

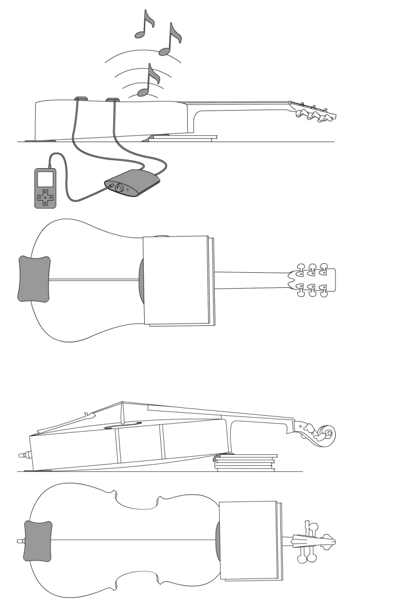
Pros: the case adds protection from side impact.

Outside A Hard Case

Cons: The instrument lacks protection otherwise available in its case. The back of the instrument must be protected by placing the instrument on a clean soft surface such as a clean soft carpet, clean soft towel, or clean soft micro-fiber or similar.

Pros: The primary component requiring seasoning is the top but the back and sides also benefit. Employing primeVibe™ outside a hard case increases back/side vibration and hence, musical performance. Protect the instrument finish with one of the items described in the paragraph above. Support the back of the instrument at two areas: the lowermost corner edge of the back and the uppermost corner of the back. Use thin books or magazine(s) to elevate the uppermost corner of the back about ½" (13 mm). This will minimize the back's contact with the flat surface. See images below. The less the back contacts the support surface the more the back and side vibrate, increasing the seasoning benefit. Remember to protect the instrument back with a thick soft cloth or towel.

Instrument Placement Outside Its Case for Maximum Seasoning Benefit (refer to text on the left)



TRANSDUCER LOCATIONS

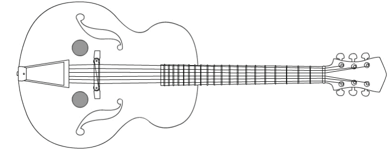
General Info

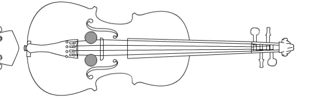
The first goal is to lay the transducers as flat as possible. Select flatter sections of the top rather than wavy or uneven surfaces. *A flatter surface is more important than any other placement criteria.* Avoid sharp angles such as the raised edge of a metal dress plate over controls; such may cause the transducer to "hunt" resulting in audible distortion.

The two dots in the diagrams below represent the approximate location for the primeVibe ™ transducers for the instruments listed. It is not mandatory, but you may "fine tune" the transducer "sweet spot" for maximum output and preferred tonal quality. Sensitivity to this may vary among instruments and musicians. Have fun with this! Join the discussion at our website to voice your opinion.

Arch Top Guitar
1/8th Violin through 1/1 Violin
Larger Ukulele (no diagram) with space for transducers between the bridge and the butt

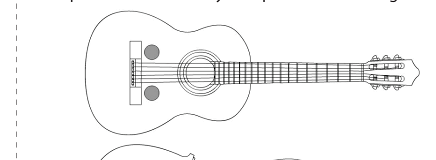
It is most important to lay the transducers as flat as possible. After that, place the transducers as pictured, about 5mm from the bridge toward the butt. If the transducers do not fit under the strings locate one transducer about 5mm from each of the outermost strings. If the transducers fit under the strings vary the spacing for maximum perceived output and tonal quality (not critical).

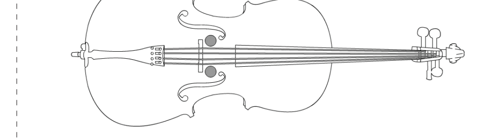




Viola
Cello
Nylon String Guitar
Upright Double Bass
Mandolin (no diagram)
Acoustic Bass Guitar and Electric Bass Guitar (no diagram)
Electric Solid Body Guitar and Semi-Hollow Body Guitar (no diagram)
Smaller Ukulele (no diagram) lacking space for transducers between the bridge and the butt

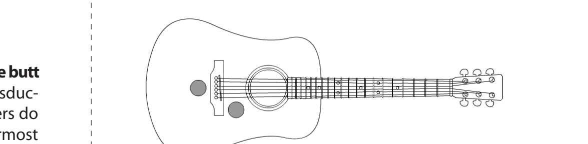
It is most important to lay the transducers as flat as possible. After that, place the transducers as pictured, about 5mm from the bridge toward the headstock. If the transducers do not fit under the strings locate one transducer about 5mm from each of the outermost strings. If the transducers fit under the strings vary the spacing for maximum perceived output and tonal quality (not critical). We were happily pleased to hear as much improvement to electric solid body guitar and bass as for acoustic and arch top guitar. Along these lines, a music industry independent product representative with twenty-five years experience said Eddie Van Halen stored his guitars in front of loudspeakers to maximize performance. Voice your opinions at our blog.



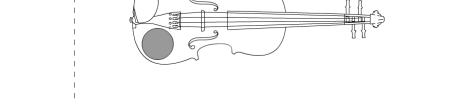


Flattop Steel String Guitar

In the image below the transducers are located close to the cross-point of the "X-brace" only visible through the sound hole. The side of the top with the high-E string is more sensitive because there is less tension than the side with the low-E string.



1/16th Size Violin, employ only one transducer



MUSIC SOURCE HOOKUP

The headphone output or line/auxiliary output from a user supplied source (iPod, CD player, computer, MP3 player, etc.) connects to the front panel 3.5mm phone jack of the primeVibe™ amplifier (a cable included with primeVibe™ may be used). One or two transducers connect to the amp's push-on spring-loaded terminals. *Observe correct polarity, red wire to red terminal and black wire to black terminal.*

POWER HANDLING

Audible distortion is abuse, refused under warranty claim. Always start with the volume control at zero then advance slowly while listening to the loudest music passage. For quickest results set the volume just below the point of audible distortion. The amp's 3 dB/octave high-pass filter @ 220 Hz increases power handling. Music with content below the target instrument's lowest fundamental tone will not contribute to seasoning. Any of your favorite music will work. But the deeper and louder the bass content the less is maximum playback level. If play-in speed is critical try solo music program material of the same type as the subject instrument (not critical).

These notes are only to avoid abuse and minimize carelessness of individuals prone to such. primeVibe™ has a good margin of safety: With a 105-watt amp (about fourteen-times the primeVibe™ amp) we were occasionally careless, resulting in gross distortion. We quickly reduced the volume to a safe level. There have been no failures, but please don't tempt fate!

DURATION

We ceased seasoning two new, never played flattop steel string guitars with Adirondack top and Wild Olive Wood from Zambia side/back set after about 100 hours each. Performance was dramatically improved. We seasoned an arch top for about 100 hours and its performance similarly improved. A seldom-played Telecaster solid body electric guitar audibly improved with only forty hours of seasoning.

Music reproduced atop the instrument became clearer as the instrument seasoned. This may help you choose an end to the seasoning process. Each instrument is individual and may benefit from more or less seasoning time. Our general recommendation for new instruments is about 100 hours. Please share your results at our blog.

POWER AMP OPTIONAL APPLICATIONS

The power amp is appropriate for any 8-watt application such as driving small high-sensitivity speakers for a bedroom or office stereo system.

POWER CONTROLS AND TECHNICAL FEATURES

FRONT CONNECTOR:	REAR CONNECTORS:
(1) 3.5mm stereo jack	(1) Left and Right audio out channels (2) DC 12V in for wall adapter

TECHNICAL FEATURES:
Class-D architecture
Single Supply Operation
1%THD+N@7.6w, 4Ohm
High Efficiency
85%@10W,8Ohm

ACCESSORIES:
Audio cable: 1 pcs (Length/2m)
Switching mode power supply with detachable plugs (US and Europe type): 1pcs

LIMITED WARRANTY

LIMITED 90-DAY WARRANTY: primeVibe™ warrants that this product shall be free from defects in material, workmanship and assembly, under normal use, in accordance with the specifications and warnings, for 90 days from the date of your purchase of this product. This warranty extends only to the original purchaser of this product and is not transferable. To exercise your rights under this warranty, you must provide proof of purchase in the form of an original sales receipt that shows the product name and the date of purchase. For customer support or to obtain warranty service, contact support@prime-Vibe.com. THERE ARE NO OTHER EXPRESS OR IMPLIED WARRANTIES. primeVibe™'s liability to repair or at its sole option, replacement of the product. Incidental, special and consequential damages are disclaimed where permitted by law. This warranty gives you specific legal rights. You may also have other rights that vary from state to state.

This device complies with PART 15 subpart B: 2006 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference
(2) This device must accept any interference received, including interference that may cause undesired operation.

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www.prime-Vibe.com

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